

Proposed Updates to Safety Standards for Toys and Children's Products

This Office proposes adopting up-to-date safety standards promulgated by the relevant standards institutions for toys and eight types of children's products designated under the Toys and Children's Products Safety Ordinance (Cap. 424) ("the Ordinance"). We are seeking comments on the proposal.

2. The Ordinance stipulates that no person shall manufacture, import or supply any toy and designated children's product unless it complies in all respects with the safety standards (mostly international standards or standards adopted by major economies) listed in the Ordinance. We keep in view updates to the standards so as to apply up-to-date, operative versions to products supplied in Hong Kong.

3. It has come to our notice that the specified standards for toys and standards for eight types of children's products, namely "babies' dummies", "baby walking frames", "bunk beds for domestic use", "child safety barriers for domestic use", "children's cots for domestic use", "children's paints", "playpens for domestic use" and "wheeled child conveyances", have been updated/amended to new versions as follows -

Toy Standards –

- (a) the existing part of the International Standard "ISO 8124-1:2009" has been amended by incorporating "Amendment 1:2011" and "Amendment 2:2012";
- (b) the existing International Standard "IEC 62115 Edition 1.1 (2004-11) [IEC 62115 Edition 1:2003 consolidated with amendment 1:2004] (incorporating Amendment 2)" has been updated to "IEC 62115 Edition 1.2 (2011-02) [IEC 62115 Edition 1:2003 consolidated with amendment 1:2004 and amendment 2:2010]";
- (c) the existing part of the European Standard "BS EN 71-8:2003 + A4:2009" has been updated to "BS EN 71-8:2011";

- (d) the existing European Standard “BS EN 62115:2005” has been updated to “BS EN 62115:2005 + A2:2011”; and
- (e) the existing ASTM Standard “ASTM F963-08” has been updated to “ASTM F963-11”;

Children’s Product Standards –

- (f) the existing ASTM Standard for babies’ dummies, “ASTM F963-08”, has been updated to “ASTM F963-11”;
- (g) the existing ASTM Standard for baby walking frames, “ASTM F977-11”, has been updated to “ASTM F977-12”;
- (h) the existing European Standards for bunk beds for domestic use, “BS EN 747-1:2007” and “BS EN 747-2:2007”, have been updated to “BS EN 747-1:2012” and “BS EN 747-2:2012” respectively;
- (i) the existing European Standard, “BS EN 1930:2000 (incorporating Amendment No. 1)”, and ASTM Standard, “ASTM F1004-10”, for child safety barriers for domestic use, have been updated to “BS EN 1930:2011” and “ASTM F1004-12” respectively;
- (j) the existing ASTM Standard for children’s cots for domestic use, “ASTM F1169-10a”, has been updated to “ASTM F1169-11”;
- (k) the existing ASTM Standard, “ASTM F963-08”, and Australian/ New Zealand Standard, “AS/NZS ISO 8124.3:2003 (incorporating Amendment No. 1)”, for children’s paints, have been updated to “ASTM F963-11” and “AS/NZS ISO 8124.3:2012” respectively;
- (l) the existing ASTM Standard for playpens for domestic use, “ASTM F406-11”, has been updated to “ASTM F406-12a”;

and

- (m) the existing European Standard for wheeled child conveyances, “BS EN 1888:2003 (incorporating Amendment No. 1 and Corrigenda Nos. 1, 2 and 3)”, has been updated to “BS EN 1888:2012”.

4. The table attached to this document summarizes the major changes introduced by the latest standards^{Note}.

5. We intend to apply the updated standards as soon as possible.

6. If you have any comments on the proposal, please send them to us on or before **28 February 2013** by one of the following means:

By mail to: Special Duties Division
Commerce, Industry and Tourism Branch
Commerce and Economic Development Bureau
23th Floor, West Wing, Central Government Offices,
2 Tim Mei Avenue, Tamar, Hong Kong

By fax to: 2869 4420

By email to: tcpso_standards_updates@cedb.gov.hk

7. Any questions about this document may be addressed to Mr. K.K. CHAN, Assistant Secretary for Commerce and Economic Development (Commerce and Industry), who can be reached at 2810 3235 (phone), 2869 4420 (fax), or kk_chan@cedb.gov.hk (email).

8. Submissions will be received on the basis that we may freely reproduce and publish them, in whole or in part, in any form and use, adapt or develop any proposal put forward without seeking permission or providing acknowledgement of the party making the proposal.

9. Please note that names of respondents, their affiliation(s) and comments may be posted on our website or referred to in other documents we publish. If you do not wish your name and/ or affiliation to be disclosed,

^{Note} The table is prepared for general information only. Interested parties should refer to the standards for detailed requirements.

please state so when making your submission. Any personal data submitted will only be used for purposes which are directly related to consultation purposes under this consultation paper. Such data may be transferred to other Government departments/agencies for the same purposes. For access to or correction of personal data contained in your submission, please contact Ms. Ada WONG, Executive Assistant, who can be reached at 3655 5954 (phone), 2869 4420 (fax), or ada_wong@cedb.gov.hk (email).

Commerce, Industry and Tourism Branch
Commerce and Economic Development Bureau
January 2013

Toys and Children's Products Safety Ordinance (Cap. 424)
Updates to Standards stipulated for Toys and Children's Products

	Current Specified Standards	Updated Standards (Publication / Effective Date)	Major Changes / Remarks	Affected Clauses
Toys Standards				
<i>International Standard</i>				
(i)	ISO 8124-1:2009	ISO 8124-1:2009/ Amendment 1:2011 (Dec 2011) Amendment 2:2012 (Mar 2012)	<ul style="list-style-type: none"> ● To introduce technical amendments to the definitions of "ball", "pom-pom", and "soft-filled toy/stuffed toy"; ● To clarify safety requirements for wires or other metallic components that may be used in toys; ● To introduce technical changes to procedures for conducting plastic film and sheeting thickness tests, stability and overload tests, expansion tests, tension tests and flexure tests for metallic wires, and for determining sound pressure levels. <p>To introduce new mechanical and physical requirements and testing methods for magnets.</p>	<ul style="list-style-type: none"> ● 3.4, 3.11, 3.44, and 3.57; ● 4.9; ● 5.10, 5.12, 5.21, 5.24 to 5.26. <p>3.23, 3.38, 3.39, 4.30, 5.14, 5.24, 5.31 to 5.34.</p>
(ii)	IEC 62115 Edition 1.1 (2004-11) [IEC 62115 Edition 1:2003 consolidated with amendment 1:2004] (incorporating Amendment 2)	IEC 62115 Edition 1.2 (2011-02) [IEC 62115 Edition 1:2003 consolidated with amendment 1:2004 and amendment 2:2010] (Feb 2011)	"IEC 62115 Edition 1.2 (2011-02)" is a consolidated version of the first edition (2003) and amendment 1 (2004) and amendment 2 (2010) which are currently specified.	N.A.
<i>European Standard</i>				
(i)	BS EN 71-8:2003 + A4:2009	BS EN 71-8:2011 (Oct 2011)	<ul style="list-style-type: none"> ● To clarify the definitions of "activity toy" and "platform" and add a new definition of "paddling pool"; 	<ul style="list-style-type: none"> ● 3.1, 3.11 and 3.15;

	Current Specified Standards	Updated Standards (Publication / Effective Date)	Major Changes / Remarks	Affected Clauses
			<ul style="list-style-type: none"> • To specify that an activity toy should be installed with a self-locking mechanism; • To revise requirements for preventing finger-entrapment and prescribe the maximum steepness of a slide; • To introduce new requirements on the geometry and design of swing elements; • To introduce requirements for paddling pools; • To introduce new warning requirements; • To introduce testing methods for determining the impact from swing elements. 	<ul style="list-style-type: none"> • 4.1; • 4.3.4 and 4.5.3; • 4.6.8; • 4.9; • 5.1 to 5.3; • 6.9.
(ii)	BS EN 62115:2005	BS EN 62115:2005 + A2:2011 (Sept 2011)	Technical changes to various testing procedures.	3.1.11 to 3.1.14, 3.2.5, 5.8, 5.9, 6.2, 7.4, 9.1 to 9.7, 14.1 to 14.4, 14.10, 14.12, 14.15, 14.16, 16.4 and 18.
<i>ASTM Standard</i>				
(i)	ASTM F963-08	ASTM F963-11 (Dec 2011)	<ul style="list-style-type: none"> • To tighten permissible limits of lead contents in paints and other surface-coating materials and introduce new requirements in respect of various heavy metals in substrate materials, and specify corresponding test procedures; • To introduce guidelines for the design of bath toy projections; • To clarify that the minimum thickness requirements apply not only to packaging plastic films but also all plastic films used with toys; • To exclude the following products from 	<ul style="list-style-type: none"> • 4.3.5 and 8.3; • 4.8.1 and A4; • 4.12 and 8.21; • 4.22.3,

	Current Specified Standards	Updated Standards (Publication / Effective Date)	Major Changes / Remarks	Affected Clauses
			<p>complying with the requirements applicable to teething toys, rattles and squeeze toys if they are soft-filled or if their rigid components have a major dimension equal to or less than 30mm;</p> <ul style="list-style-type: none"> To introduce additional requirements for preventing jaw entrapment in handles and steering wheels. 	<p>4.23.2 and 4.24.3;</p> <ul style="list-style-type: none"> 4.39.
Children's Product Standards				
<i>Babies' dummies</i>				
(i)	ASTM F963-08	ASTM F963-11 (Dec 2011)	To tighten permissible limits of lead contents in paints and other surface-coating materials and introduce new requirements in respect of various heavy metals in substrate materials, and specify corresponding test procedures.	4.3.5 and 8.3.
<i>Baby walking frames</i>				
(i)	ASTM F977-11	ASTM F977-12 (May 2012)	<ul style="list-style-type: none"> Editorial change to remove redundant references; Technical changes to stability testing procedures; Editorial change to clarify the scope of application of a warning statement requirement. 	<ul style="list-style-type: none"> 2.2 and 8.3; 7.3.2.4 and 7.3.2.5; 8.2.4.2(1)
<i>Bunk beds for domestic use</i>				
(i)	BS EN 747-1:2007	BS EN 747-1:2012 (Apr 2012)	<ul style="list-style-type: none"> To revise the definition of "bunk bed", and add new definitions of "bed end structure" and "side rail and tread"; To add more detailed requirements in respect of general construction, safety barriers, ladder and other means of access. 	<ul style="list-style-type: none"> 3; 4.1.
(ii)	BS EN 747-2:2007	BS EN 747-2:2012 (Apr 2012)	<ul style="list-style-type: none"> To increase the downward force applied from 1,000 N to 1,200 N in the tests for downwards static load on bed base and 	<ul style="list-style-type: none"> 5.4.3 and 5.6.1;

	Current Specified Standards	Updated Standards (Publication / Effective Date)	Major Changes / Remarks	Affected Clauses
			vertical static load on threads of ladders; <ul style="list-style-type: none"> To require that one more position of the bed base be tested for durability. 	<ul style="list-style-type: none"> 5.4.5.
<i>Child safety barriers for domestic use</i>				
(i)	BS EN 1930:2000 (incorporating Amendment No. 1)	BS EN 1930:2011 (Mar 2012)	<ul style="list-style-type: none"> To introduce a new rattle test which tests for security of the barrier; To introduce more elaboration on the configuration of various pieces of test equipment (e.g. finger probe and test frame) and elaborate the test procedures in the impact test; To introduce more detailed requirements in respect of the opening and closing mechanism; To require additional pieces of information to be provided in instructional literature. 	<ul style="list-style-type: none"> 4.9 and 6.11.2.1; 4.4, 4.5, 4.8 and 6.12; 6.4; 10.4.
(ii)	ASTM F1004-10	ASTM F1004-12 (June 2012)	To specify the functional requirement of a foot-pedal-activated latching or locking mechanism.	5.5.1.
<i>Children's cots for domestic use</i>				
(i)	ASTM F1169-10a	ASTM F1169-11 (Sept 2011)	To omit a test procedure before the mattress support vertical impact test is conducted.	Previous clause 6.12 repealed.
<i>Children's paints</i>				
(i)	ASTM F963-08	ASTM F963-11 (Dec 2011)	<ul style="list-style-type: none"> To tighten permissible limits of lead contents in paints and other surface-coating materials and introduce new requirements in respect of various heavy metals in substrate materials, and specify corresponding test procedures. To clarify that the minimum thickness requirements apply not only to packaging plastic films but also all plastic films used with toys. 	<ul style="list-style-type: none"> 4.3.5 and 8.3; 4.12 and 8.21.

	Current Specified Standards	Updated Standards (Publication / Effective Date)	Major Changes / Remarks	Affected Clauses
(ii)	AS/NZS ISO 8124.3:2003 (incorporating Amendment No. 1)	AS/NZS ISO 8124.3:2012 (Jan 2012)	To require the use of n-heptane (instead of 1,1,1-trichloroethane or other suitable solvents) as the solvent in test procedures for analysis of certain elements in paints.	8.7, 8.8 and 8.9.
<i>Playpens for domestic use</i>				
(i)	ASTM F406-11	ASTM F406-12a (May 2012)	<ul style="list-style-type: none"> • To remove telescoping sides from the definition of "dropgate"; • To clarify the scope of products that are subject to the top rail configuration test; • To add a procedure aimed at removing slack; • To revise the load application procedure for the top rail to corner post attachment test. 	<ul style="list-style-type: none"> • 3.1.5; • 7.10; • 8.28.2; • 8.30.3.1.
<i>Wheeled child conveyances</i>				
(i)	BS EN 1888:2003 (incorporating Amendment No. 1 and Corrigenda Nos. 1, 2 and 3)	BS EN 1888:2012 (June 2012)	<ul style="list-style-type: none"> • To prescribe protected volumes for seat units and pram bodies; • To introduce new finger and hip probes for testing on entrapment hazards; • To add a bite test to check the accessibility of materials of bumper bar; • To clarify requirements and test methods on protective function of vehicle; • To introduce more detailed requirements and test methods for locking, parking and braking devices, and stability of vehicle; • To strengthen requirements and durability test of handle and introduce a new test on dynamic resistance for telescopic handle; • To reword required product information to highlight essential warnings and safety information. 	<ul style="list-style-type: none"> • 4.5; • 5.2.1, 5.2.2 and 8.2; • 5.7 and 8.5.2.3; • 8.1.1; • 8.3.3, 8.8.1, 8.8.2 and 8.9.1; • 8.10.6; • 10.